

FORM PTO-1449

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S  
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCK NO.  
254/302SERIAL NO.  
~~Not Yet Assigned~~APPLICANT:  
Donald E. Ackley et al.

09/596,657

FILING DATE:  
June 16, 2000GROUP:  
1631

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBC LASS	FILINGDATE
<i>AM</i>	AA	3,950,738	4/76	Hayashi et al.	365	185	7/74
	AB	3,995,190	11/76	Salgo	313	391	12/75
	AC	4,283,773	8/81	Daughton et al.	364	132	4/79
	AD	4,563,419	1/86	Ranki et al.	435	6	12/83
	AE	4,580,895	4/86	Patel	356	39	10/83
	AF	4,584,075	4/86	Goldstein	204	522	11/84
	AG	4,594,135	6/86	Goldstein	204	551	2/85
	AH	4,751,177	6/88	Stabinsky	435	6	6/85
	AI	4,787,963	11/88	MacConnell	204	450	5/87
	AJ	4,807,161	2/89	Comfort et al.	364	550	12/87
	AK	4,816,418	3/89	Mack et al.	436	518	7/85
	AL	4,822,566	4/89	Newman	422	82	5/87
	AM	4,828,979	5/89	Klevan et al.	435	6	11/84
	AN	4,908,112	3/90	Pace	210	198	6/88
	AO	5,063,081	11/91	Cozzette et al.	435	4	8/90
	AP	5,074,977	12/91	Cheung et al.	205	775	10/90
	AQ	5,075,077	12/91	Durley, III et al.	422	56	8/88
	AR	5,096,669	3/92	Lauks et al.	422	61	9/88
	AS	5,096,807	3/92	Leaback	435	6	12/89
	AT	5,125,748	6/92	Bjornson et al.	356	414	5/91
	AU	5,126,022	6/92	Soane et al.	204	458	2/90
	AV	5,143,854	9/92	Pirrung et al.	436	518	3/90
	AW	5,164,319	11/92	Hafeman et al.	435	287	11/89
	AX	5,166,063	11/92	Johnson	435	173	6/90
	AY	5,200,051	4/93	Cozzette et al.	204	403	11/89
	AZ	5,202,231	4/93	Drmanac et al.	435	6	6/91
	BA	5,219,726	6/93	Evans	435	6	6/89
	BB	5,227,265	7/93	DeBoer et al.	430	41	11/90
	BC	5,234,566	8/93	Osman et al.	204	403	4/91
<i>↓</i>	BD	5,242,797	9/93	Hirshfeld	435	6	1/92

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EXAMINER:

*Arden Marshall*DATE CONSIDERED: *9-28-01*

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Am	BE	5,304,487	4/94	Wilding et al.	435	29	5/92
	BF	5,312,527	5/94	Mikkelsen et al.	205	777	10/92
	BG	5,433,819	7/95	McMeen	216	20	5/93
	BH	5,434,049	7/95	Okano et al.	435	6	2/93
	BI	5,445,525	8/95	Broadbent et al.	439	64	5/94
	BJ	5,516,698	5/96	Begg et al.	436	89	4/92
	BK	5,527,670	6/96	Stanley	435	6	8/94
	BL	5,527,681	6/96	Holmes	435	6	11/92
	BM	5,605,662	2/97	Heller et al.	422	68	11/93
	BN	5,632,957	5/97	Heller et al.	422	68	9/94
	BO	5,653,939	8/97	Hollis et al.	422	50	8/95
	BP	5,677,195	10/97	Winkler et al.	436	518	11/92
	BQ	5,681,751	10/97	Begg et al.	436	89	5/95
	BR	5,849,486	12/98	Heller et al.	435	6	8/96

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBC LASS	TRANSLATION YES	NO
Am	BS	0228075	7/87	EP (Dattagupta et al.)			
	BT	2247889	3/92	GB (Stanley)			
	BU	WO95/07363	3/95	PCT (Konrad)			
	BV	WO90/01564	2/90	PCT (Adams et al.)			
	BW	WO89/01159	2/89	PCT (Cornell et al.)			
	BX	WO93/22678	11/93	PCT (Hollis)			
	BY	WO86/03782	7/86	PCT (Malcolm et al.)			
	BZ	WO89/10977	11/89	PCT (Southern)			
	CA	WO88/08528	11/88	PCT (Stanbro et al.)			
	CB	WO92/04470	3/92	PCT (Stanley)			
	CC	WO98/51819	11/98	PCT (Heller et al.)			
	CD	WO96/01836	1/96	PCT (Heller et al.)			
	CE	WO98/01758	1/98	PCT (Kovacs)			
	CF	2156074	10/85	UK (Palva et al.)			

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Arden Mansley

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AM	CG	57087	87	Yugoslavia (Drmanac)		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	CH	Abrams et al. "Comprehensive Detection of Single Base Changes In Human Genomic DNA Using Denaturing Gradient Gel Electrophoresis & a GC Clamp". <i>Genomics</i> , 7, 1990, 463-475
	CI	Anand and Southern "Pulsed Field Gel Electrophoresis," <u>Gel Electrophoresis of Nucleic Acids - A Practical Approach</u> , 2d. Ed., D. Rickwood and B.D. Hames (New York: IRL Press 1990), pp 101-123
	CJ	Anderson and Young, "Quantitative Filter Hybridization," <u>Nucleic Acid Hybridization - A Practical Approach</u> , Eds. B.D. Hames and S.J. Higgins (Washington, D.C. : IRL Press 1985) pp 73-111
	CK	Bains, "Setting a Sequence to Sequence a Sequence," <u>Bio/Technology</u> , 10:757-758 (1992)
	CL	Barinaga, "Will 'DNA Chip' Speed Genome Initiative?", <u>Science</u> , 253:1489 (1991)
	CM	Beattie et al., "Genosensor Technology," <u>The 1992 San Diego Conference: Genetic Recognition</u> , pp 1-5 (Nov, 1992)
	CN	Beltz et al., "Isolation of Multigene Families and Determination of Homologies by Filter Hybridization Methods," <u>Methods in Enzymology</u> , 100:266-285 (1983)
	CO	Brown et al. "Electrochemically Induced Adsorption of Radio-Labelled DNA on Gold and HOPG Substrates for STM Investigations". <u>Ultramicroscopy</u> , 38, 1991, 253-264
	CP	Conner et al., "Detection of Sickle Cell $\beta^3$ -Globin Allele by Hybridization With Synthetic Oligonucleotides," <u>Proc. Natl. Acad. Sci. USA</u> , 80:278-282 (1983)
	CQ	Drmanac et al., "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method," <u>Genomics</u> , 4:114-128 (1989)
	CR	Drmanac et al., "DNA Sequence Determination by Hybridization: A Strategy for Efficient Large-Scale Sequencing," <u>Science</u> , 260: 1649-1652 (1993)
	CS	Eggers et al. "Biochip Technology Development", BioChip Technology Development, Lincoln Laboratory Technical Report 901, Nov. 9, 1990
	CT	Fiaccabrino et al., "Array of Individually Addressable Microelectrodes", <u>Sensors and Actuators B</u> , 18-19 (1994) 675-677
	CU	Fodor et al., "Multiplexed Biochemical Assays With Biological Chips," <u>Nature</u> , 364:555-556 (1993)

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AM	CV	Fodor et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis," <u>Science</u> , 251:767-773 (1992)
	CW	Horejsi, "Some Theoretical Aspects of Affinity Electrophoresis," <u>Journal of Chromatography</u> , 178:1-13 (1979)
	CX	Horejsi et al., "Determination of Dissociation Constants of Lectin Sugar Complexes by Means of Affinity Electrophoresis, <u>Biochimica et Biophysica Acta</u> , 499:200-300 (1977)
	CY	Kakerow et al., "A Monolithic Sensor Array of Individually Addressable Microelectrodes", <u>Sensors and Actuators A</u> , 43 (1994) 296-301
	CZ	Mathews, Kricka. "Analytical Strategies For The Use Of DNA Probes". <u>Analytical Biochemistry</u> , 169, 1988, 1-25
	DA	Palecek. "New Trends in Electrochemical Analysis of Nucleic Acids". <u>Bioelectrochemistry and Bioenergetics</u> , 20, 1988, 179-194
	DB	Ranki et al., "Sandwich Hybridization as a Convenient Method for the Detection of Nucleic Acids in Crude Samples," <u>Gene</u> , 21:77-85 (1983)
	DC	Saiki, "Amplification of Genomic DNA," <u>PCR Protocols: A Guide to Methods and Applications</u> , (Academic Press, Inc. 1990), pp 13-20
	DD	Southern et al., "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides Evaluation Using Experimental Models," <u>Genomics</u> , 13:1008-1017 (1992)
	DE	Strezoska et al., "DNA Sequencing by Hybridization: 100 Bases Read by a Non-Gel-Based Method", <u>Proc. Natl. Acad. Sci. USA</u> , 88:10089-93 (1991)
	DF	Wallace et al., "Hybridization of Synthetic Oligodexribonucleotides to $\phi$ x 174 DNA: The Effect of Single Base Pair Mismatch," <u>Nucleic Acid Res.</u> , 6:3543-3557 (1979)
	DG	Washizu, "Electrostatic Manipulation of Biological Objects," <u>Journal of Electrostatics</u> , 25:109-123 (1990)
	DH	Washizu and Kurosawa, "Electrostatic Manipulation of DNA in Microfabricated Structures," <u>IEEE Transactions on Industry Applications</u> , 26:1165-1172 (1990)
	DI	Brown et al., "Electrochemically Induced Adsorption of Radio-Labelled DNA on Gold and HOPG Substrates for STM Investigations", <u>Ultramicroscopy</u> , 38 (1991) pp 253-264
V	DJ	Palacek, "New Trends in Electrochemical Analysis of Nucleic Acids", <u>Bioelectrochemistry and Bioenergetics</u> , 20 (1988) pp 179-194

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EXAMINER:

*John Marshall*

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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>	
<del>DK</del>	<del>PCT Search Report dated July 21, 1999 in International Application No. PCT/US99/03080</del>

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<b>EXAMINER:</b> <i>Andin Maskey</i>	<b>DATE CONSIDERED:</b> <i>9-28-01</i>
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